

1. A slab bolster upper for supporting rebar in a reinforced concrete structure comprising:
  - an elongated base having upper and lower surfaces;
  - an elongated support section for engaging and supporting rebar
  - 5 connected and projecting from said upper surface of said base;
  - said base and said support section being of plastic construction; and
  - voids formed through said base and said support section with said voids comprising a major portion of said base and said support section, whereby concrete, during placement thereof, may flow freely through and around said base and said
  - 10 support section.
2. The slab bolster upper of claim 1, wherein said base and said support section are formed as an integral unit.
3. The slab bolster upper of claim 1 further comprising:
  - gussets interconnecting said base and said support section and extending from said upper surface of said base in planes substantially perpendicular to said base.
4. The slab bolster upper of claim 1 further comprising:
  - ribs extending longitudinally of said base and projecting substantially perpendicularly from said upper surface thereof.

5. The slab bolster upper of claim 1 further comprising:  
gussets interconnecting said base and said support section;  
ribs extending longitudinally of said base; and  
said gussets and said ribs extending substantially perpendicularly from  
5 said upper surface of said base.
6. The slab bolster of claim 1 wherein:  
said support section includes a rebar-engaging portion; and  
said rebar-engaging portion extends substantially parallel to said base.
7. The slab bolster upper of claim 6 wherein:  
said rebar-engaging portion has transverse ridges projecting therefrom.
8. The slab bolster upper of claim 1 further comprising:  
complementary buckles formed integrally with said slab bolster upper at  
opposite ends thereof for interconnecting successive units of said slab bolster upper.
9. The slab bolster upper of claim 1 wherein said plastic is fiber reinforced.
10. The slab bolster upper of claim 1 wherein said base and support section  
are of injection molded construction.
11. The slab bolster upper of claim 1 wherein said base and support section  
are extruded.

12. The slab bolster upper of claim 1 wherein:  
said support section comprises a plurality of posts projecting from said upper surface of said base; and  
a rebar-engaging cap attached to outer ends of said posts.
13. The slab bolster upper of claim 12 wherein:  
said cap is mechanically attached to said posts by means of complementary joint elements molded integrally with said cap and said posts.
14. The slab bolster upper of claim 1 wherein:  
said plastic of which said slab bolster upper is molded is from a group consisting of polycarbonate/ABS, polypropylene, and nylon.
15. The slab bolster upper of claim 14 wherein:  
said plastic of which said slab bolster upper is molded is reinforced with fibers from a group consisting of fiberglass, carbon fiber, metal fibers, and Kelvar.
16. The slab bolster upper of claim 1 further comprising:  
projections extending from said lower surface of said base.
17. The slab bolster upper of claim 1 further comprising:  
complementary buckles formed in opposite ends of said slab bolster upper for interconnection with like units.

18. The slab bolster upper of claim 17 wherein:  
said complementary buckles are formed on opposite ends of said base and said support section;
19. A slab bolster upper adapted to support rebar in a reinforced concrete structure comprising:  
an elongated molded plastic base having upper and lower surfaces;  
a plurality of posts projecting substantially perpendicularly away from said upper surface of said base at regularly spaced intervals; and  
an elongated rebar-engaging cap connected to outer ends of said posts and extending substantially parallel to said base.
20. The slab bolster upper of claim 19 wherein:  
said cap and said posts are molded as discrete units; and  
joint elements on said cap and said posts mechanically interconnect said cap and said posts.
21. The slab bolster upper of claim 20 wherein:  
said joint elements comprise complementary pins and sockets molded integrally with said cap and said outer ends of said posts.
22. The slab bolster upper of claim 19 further comprising:  
transverse ridges projecting from an upper surface of said cap.

23. The slab bolster upper of claim 19 further comprising:  
gussets interconnecting said base and said posts.
24. The slab bolster upper of claim 23 wherein:  
said gussets project longitudinally and transversely of said elongated base  
at each juncture thereof with said posts.
25. The slab bolster upper of claim 23 further comprising:  
ribs extending longitudinally of said base and projecting therefrom.
26. The slab bolster upper of claim 19 further comprising:  
complementary buckles formed on opposite ends of said slab bolster  
upper for interconnecting with other units.
27. The slab bolster upper of claim 26 wherein:  
said buckles are formed on opposite ends of said cap and said base.
28. The slab bolster upper of claim 19 further comprising:  
projections extending from a lower surface of said base to space said  
base from an underlying support surface.

29. The slab bolster upper comprising:  
an elongated substantially planar base;  
elongated, substantially parallel ribs projecting from said base along  
opposite longitudinal edges thereof and substantially medially of said base;  
a plurality of posts projecting from said base at substantially regularly  
spaced intervals therealong;  
gussets extending transversely and longitudinally of said base at  
junctures thereof with said posts;  
an elongated cap extending in substantially parallel relationship to said  
base;  
complementary pin and socket joint elements mechanically  
interconnecting said cap and outer ends of said posts;  
transversely extending ridges projecting from an upper surface of said  
cap; and  
complementary buckles formed on opposite ends of said cap and said  
base for interconnecting said slab bolster upper with like units.

30. The slab bolster upper comprising:  
a substantially planar elongated base having upper and lower surfaces;  
elongated ribs projecting upwardly from opposite edges of said base;  
a substantially planar elongated web projecting substantially  
perpendicularly from said upper surface of said base substantially medially thereof;  
voids formed through said base and said web with said voids comprising  
a major portion of said base and said web, whereby concrete, during placement thereof,  
may flow freely through and around said base and said web;

a rebar-engaging cap mounted on an outer edge of said planar web and extending in substantially parallel relationship to said base; and

complementary buckles formed on opposite ends of said base and said cap for interconnecting said slab bolster upper with like units.